

5	2001044196 "11186433"	JPO; DERWENT	#####
22	((reservoir with (em or (electro adj migration) or electro\$1migration))) and ((("257"/\$3.cor. US-PGPUB; USPAT	4/25/05	
1	20040056280	US-PGPUB; USPAT	4/25/05
7	(reservoir with (em or (electro adj migration) or electro\$1migration)) and S9	US-PGPUB; USPAT	4/25/05
1	(Murata and Yabuki and Yamashita).in.	US-PGPUB; USPAT	4/25/05
2	(Murata and Yabuki and Yamashita).in.	EPO; JPO; DERWENT	4/25/05
2	(Murata and Yabuki and Yamashita).in.	EPO; JPO; DERWENT	4/25/05
5	S15 and ((surplus or extra or additional or addition) near (wire or wiring or metallization	US-PGPUB; USPAT	4/25/05
5	S15 and ((surplus or extra or additional or addition or add\$1on) near (wire or wiring or r	US-PGPUB; USPAT	4/25/05
8	S15 and ((surplus or extra or additional or addition or add\$1on or long) near (wire or wir	US-PGPUB; USPAT	4/25/05
3	S20 not S19	US-PGPUB; USPAT	4/25/05
3	S15 and ((wider) near (wire or wiring or metallization or metal or run or interconnect)) \	US-PGPUB; USPAT	4/25/05
6	("5696030" "5770519" "5963831" "6072945" "6091080" "6333558").PN.	US-PGPUB; USPAT; USOCR	4/25/05
3	((em or (electro adj migration) or electro\$1migration)) and "6091080"	US-PGPUB; USPAT	4/25/05
5	S15 and ((wider) near (wire or wiring or metallization or metal or run or interconnect or li	US-PGPUB; USPAT	4/25/05
2	S26 not S22	US-PGPUB; USPAT	4/25/05
0	S15 and ((plug or "via") near (wider)) with (em or (electro adj migration) or electro\$1m	US-PGPUB; USPAT	4/25/05
0	S15 and ((plug or "via") near2 (wider)) with (em or (electro adj migration) or electro\$1	US-PGPUB; USPAT	4/25/05
0	S15 and ((layer) near2 (wider)) with (em or (electro adj migration) or electro\$1migrati	US-PGPUB; USPAT	4/25/05
0	S15 and ((pad) near2 (wider)) with (em or (electro adj migration) or electro\$1migrati	US-PGPUB; USPAT	4/25/05
0	S32 and ((wider) near (wire or wiring or metallization or metal or run or interconnect or li	EPO; JPO; DERWENT	4/25/05
0	S32 and ((wider) near2 (wire or wiring or metallization or metal or run or interconnect or	EPO; JPO; DERWENT	4/25/05
4	S32 and ((wider with (em or (electro adj migration) or electro\$1migration))	EPO; JPO; DERWENT	4/25/05
27	S15 and ((longer or width or length) near (wire or wiring or metallization or metal or run	US-PGPUB; USPAT	4/25/05
24	S37 not (S26 or S22)	US-PGPUB; USPAT	4/25/05
24	S38 and ((longer or width or length or wider) near (wire or wiring or metallization or met	US-PGPUB; USPAT	4/26/05
8	S39 and ((longer or width or length or wider) near (wire or wiring or metallization or met	US-PGPUB; USPAT	4/25/05
12	S39 and ((longer or width or length or wider) near (wire or wiring or metallization or met	US-PGPUB; USPAT	4/25/05
4	S42 not S41	US-PGPUB; USPAT	4/25/05
38	S44 and ((("257"/\$3.cor.) or ("438"/\$3.cor.)) and (@ad<"20030827" or @riad<"20030827")US-PGPUB; USPAT	4/25/05	
46	(((width or wider) with (wire or wiring or metallization or metal or run or interconnect or lir	US-PGPUB; USPAT	4/25/05

24	S46 and ("257"/\$3.cor.) or ("438"/\$3.cor.) and (@ad<"20030827" or @rlad<"20030827")	US-PGPUB; USPAT	4/25/05
22	S48 and ("257"/\$3.cor.) or ("438"/\$3.cor.) and (@ad<"20030827" or @rlad<"20030827")	US-PGPUB; USPAT	4/25/05
21	S49 not S47	US-PGPUB; USPAT	4/25/05
1	S50 and (reservoir with wider)	US-PGPUB; USPAT	4/25/05
2	S50 and (reservoir with width)	US-PGPUB; USPAT	4/25/05
5	2001044196 "1186433"	JPO; DERWENT	4/25/05
1	20030205813	US-PGPUB; USPAT	4/25/05
5	((em or (electro adj migration) or electro\$1migration).ab.) and S57	US-PGPUB; USPAT	4/25/05
2	((em or (electro adj migration) or electro\$1migration).ab.) and S59	EPO; JPO; DERWENT	4/25/05
6	((via or plug or hole or (inter adj connect) or (cross adj over) or inter\$1connect or cross\$	EPO; JPO; DERWENT	4/25/05
4	S61 not S60	EPO; JPO; DERWENT	4/25/05
1	(Murata and Yabuki and Yamashita).in.	US-PGPUB; USPAT	4/25/05
2	(Murata and Yabuki and Yamashita).in.	EPO; JPO; DERWENT	4/25/05
16	((via or plug or hole or (inter adj connect) or (cross adj over) or inter\$1connect or cross\$	EPO; JPO; DERWENT	4/25/05
2	S65 and semiconductor	EPO; JPO; DERWENT	4/25/05
12	((void).ab.) and S57	US-PGPUB; USPAT	4/25/05
11	S67 not S58	US-PGPUB; USPAT	4/25/05
30	S69 and ("257"/\$3.cor.) or ("438"/\$3.cor.) and (@ad<"20030827" or @rlad<"20030827")	US-PGPUB; USPAT	4/25/05
25	S71 and ("257"/\$3.cor.) or ("438"/\$3.cor.) and (@ad<"20030827" or @rlad<"20030827")	US-PGPUB; USPAT	4/25/05
2	S72 and (reservoir with width)	US-PGPUB; USPAT	4/25/05
5	5614764 and ("257"/\$3.cor.) or ("438"/\$3.cor.) and (@ad<"20030827" or @rlad<"20030827")	US-PGPUB; USPAT	4/25/05
8	S76 and semiconductor	EPO; JPO; DERWENT	4/25/05
20	((via or plug or hole or (inter adj connect) or (cross adj over) or inter\$1connect or cross\$	EPO; JPO; DERWENT	4/25/05
9	S78 and semiconductor	EPO; JPO; DERWENT	4/25/05
4	S79 not S77	EPO; JPO; DERWENT	4/25/05
26	((via or plug or hole or (inter adj connect) or (cross adj over) or inter\$1connect or cross\$	US-PGPUB; USPAT	4/26/05
21	S82 and ("257"/\$3.cor.) or ("438"/\$3.cor.) and (@ad<"20030827" or @rlad<"20030827")	US-PGPUB; USPAT	4/26/05
8	(((via or plug or hole or (inter adj connect) or (cross adj over) or inter\$1connect or cross\$	US-PGPUB; USPAT	4/26/05
6	S84 and ("257"/\$3.cor.) or ("438"/\$3.cor.) and (@ad<"20030827" or @rlad<"20030827")	US-PGPUB; USPAT	4/26/05
8	(((via or plug or hole or (inter adj connect) or (cross adj over) or inter\$1connect or cross\$	US-PGPUB; USPAT	4/26/05
2	S86 not S85	US-PGPUB; USPAT	4/26/05

1	S87 and (@ad<"20030827" or @riad<"20030827")	US-PGPUB; USPAT	4/26/05
9	((via or plug or hole or (inter adj connect) or (cross adj over) or inter\$1 connect or cross\$1 migration))	US-PGPUB; USPAT	4/26/05
8	S89 and (@ad<"20030827" or @riad<"20030827")	US-PGPUB; USPAT	4/26/05
1	S90 not S86	US-PGPUB; USPAT	4/26/05
33	S92 and ("257"/\$3.cor.) or ("438"/\$3.cor.) and (@ad<"20030827" or @riad<"20030827")	US-PGPUB; USPAT	4/26/05
13	((via or plug or hole or (inter adj connect) or (cross adj over) or inter\$1 connect or cross\$1 migration))	US-PGPUB; USPAT	4/26/05
4	S94 and ("257"/\$3.cor.) or ("438"/\$3.cor.) and (@ad<"20030827" or @riad<"20030827")	US-PGPUB; USPAT	4/26/05
29	S93 not S95	US-PGPUB; USPAT	4/26/05
20	("4551629" "4770640" "4868712" "4875139" "4943539" "4983533" "5019943" "51US-PGPUB; USPAT; USOCR	US-PGPUB; USPAT; USOCR	4/26/05
4	S97 and (em or (electro adj migration) or electro\$1 migration)	US-PGPUB; USPAT	5/9/05
6	("4634496" "4767724" "4786962" "4824803" "4826785" "4839311").PN.	US-PGPUB; USPAT; USOCR	4/26/05
16	((extension or extended) near (wire or wiring or metallization or metal or run or intercom	US-PGPUB; USPAT	4/26/05
11	S100 and ("257"/\$3.cor.) or ("438"/\$3.cor.) and (@ad<"20030827" or @riad<"20030827")	US-PGPUB; USPAT	4/26/05
5	S100 not S101	US-PGPUB; USPAT	4/26/05
5	S102 and (@ad<"20030827" or @riad<"20030827")	US-PGPUB; USPAT	4/26/05
31	((extension or extended) near (wire or wiring or metallization or metal or run or intercom	US-PGPUB; USPAT	4/26/05
31	S104 and (@ad<"20030827" or @riad<"20030827")	US-PGPUB; USPAT	4/26/05
18	S105 and ("257"/\$3.cor.) or ("438"/\$3.cor.)	US-PGPUB; USPAT	4/26/05
7	S106 not S100	US-PGPUB; USPAT	4/26/05
7	5614764 and (@ad<"20030827" or @riad<"20030827")	US-PGPUB; USPAT	4/26/05
7	S109 and (em or (electro adj migration) or electro\$1 migration)	US-PGPUB; USPAT	4/26/05
3	("5243221" "5373192" "5448113").PN.	US-PGPUB; USPAT; USOCR	4/26/05
0	5614764 and (perpendicular or orthogonal)	US-PGPUB; USPAT	4/26/05
0	(interconnect with (perpendicular or orthogonal) with because)	US-PGPUB; USPAT	4/26/05
8	S114 and ("257"/\$3.cor.) or ("438"/\$3.cor.) and (@ad<"20030827" or @riad<"20030827")	US-PGPUB; USPAT	4/26/05
0	(multiple with (metallization) with (perpendicular or orthogonal) with order)	US-PGPUB; USPAT	4/26/05
3	S117 and ("257"/\$3.cor.) or ("438"/\$3.cor.) and (@ad<"20030827" or @riad<"20030827")	US-PGPUB; USPAT	4/26/05
35	S119 and ("257"/\$3.cor.) or ("438"/\$3.cor.) and (@ad<"20030827" or @riad<"20030827")	US-PGPUB; USPAT	4/26/05
4	S121 and ("257"/\$3.cor.) or ("438"/\$3.cor.) and (@ad<"20030827" or @riad<"20030827")	US-PGPUB; USPAT	4/26/05
11	S123 and ("257"/\$3.cor.) or ("438"/\$3.cor.) and (@ad<"20030827" or @riad<"20030827")	US-PGPUB; USPAT	4/26/05
7	S124 not S122	US-PGPUB; USPAT	4/26/05

13	((wire or wiring or metallization or metal or run or interconnect or line or metallization) n US-PGPUB; USPAT	4/26/05
0	S133 and ("257"/\$3.ccls.) or ("438"/\$3.cor.) and (@ad<"20030827" or @riad<"20030827 US-PGPUB; USPAT	4/26/05
15	((wire or wiring or metallization or metal or run or interconnect or line or metallization) n US-PGPUB; USPAT	4/26/05
15	((wire or wiring or metallization or metal or run or interconnect or line or metallization) US-PGPUB; USPAT	4/26/05
2	S136 not S133 US-PGPUB; USPAT	4/26/05
2	((wire or wiring or metallization or metal or run or interconnect or line or metallization) v US-PGPUB; USPAT	4/26/05
17	((wire or wiring or metallization or metal or run or interconnect or line or metallization) wi US-PGPUB; USPAT	4/26/05
0	S141 and ("257"/\$3.cor.) or ("438"/\$3.cor.) and (@ad<"20030827" or @riad<"20030827 US-PGPUB; USPAT	4/26/05
17	S141 and (@ad<"20030827" or @riad<"20030827") US-PGPUB; USPAT	4/26/05
35	((wire or wiring or metallization or metal or run or interconnect or line or metallization) wi US-PGPUB; USPAT	4/26/05
0	S144 and ("257"/\$3.cor.) or ("438"/\$3.cor.) and (@ad<"20030827" or @riad<"20030827 US-PGPUB; USPAT	4/26/05
35	S144 and (@ad<"20030827" or @riad<"20030827") US-PGPUB; USPAT	4/26/05
5	S147 and ("257"/\$3.cor.) or ("438"/\$3.cor.) and (@ad<"20030827" or @riad<"20030827 US-PGPUB; USPAT	5/9/05
1	6770973 US-PGPUB; USPAT	4/26/05
1	20010015464.did. and (em or (electro adj migration) or electro\$1migration) US-PGPUB; USPAT	5/9/05
6	S152 and ("257"/\$3.ccls.) or ("438"/\$3.ccls.)) US-PGPUB; USPAT	5/9/05
18	(plug near2 reservoir) and (em or (electro adj migration) or electro\$1migration) and (@ad US-PGPUB; USPAT	5/9/05
10	S154 and ("257"/\$3.ccls.) or ("438"/\$3.ccls.)) US-PGPUB; USPAT	5/9/05
0	09/922737.rlan. US-PGPUB; USPAT	5/9/05
0	09/922737.an. US-PGPUB; USPAT	5/9/05
0	09922737.an. US-PGPUB; USPAT	5/9/05
0	09922737.ap. US-PGPUB; USPAT	5/9/05
3	922737.ap. US-PGPUB; USPAT	5/9/05
35	(plug near3 reservoir) and (em or (electro adj migration) or electro\$1migration) and (@ad US-PGPUB; USPAT	5/9/05
10	S161 and ("257"/\$3.ccls.) or ("438"/\$3.ccls.)) US-PGPUB; USPAT	5/9/05
29	((plug or contact or hole or intersection) with (wider or widened or widening)) same (em US-PGPUB; USPAT	5/9/05
26	S163 and ("257"/\$3.ccls.) or ("438"/\$3.ccls.)) US-PGPUB; USPAT	5/9/05
26	S164 not (S153 or S162 or S155) US-PGPUB; USPAT	5/9/05
23	((via) with (wider or widened or widening)) same (em or (electro adj migration) or electr US-PGPUB; USPAT	5/9/05
18	S166 and ("257"/\$3.ccls.) or ("438"/\$3.ccls.)) US-PGPUB; USPAT	5/9/05
10	S167 not (S164 or S153 or S162 or S155) US-PGPUB; USPAT	5/9/05

15	("5760476" "5461260") and (em or (electro adj migration) or electro\$1 migration) and (@a US-PGPUB; USPAT	5/9/05
6	S172 and (wider or widened or widening or widen)	US-PGPUB; USPAT
3	(((line or interconnect or wire or wiring or metallization) with (widen)) same (em or (elect	US-PGPUB; USPAT
2	S173 not (S171 or S170 or S167 or S164 or S153 or S162 or S155)	US-PGPUB; USPAT
0	(((via) with (widen)) same (em or (electro adj migration) or electro\$1 migration)) and (@	US-PGPUB; USPAT
3	(((plug or contact or hole or intersection) with (widen)) same (em or (electro adj migratio	US-PGPUB; USPAT
1	S177 not S174	US-PGPUB; USPAT
3	((reservoir with (overlap or overlapped or overlapping)) same (em or (electro adj migrati	US-PGPUB; USPAT
3	("5410490" "5610833" "5780909").PN.	US-PGPUB; USPAT; USOCR
11	S181 and ("257"/\$3.ccls.) or ("438"/\$3.ccls.))	US-PGPUB; USPAT
10	S182 not (S173 or S171 or S170 or S167 or S164 or S153 or S162 or S155)	US-PGPUB; USPAT
14	S181 and ("257"/\$3.ccls.) or ("438"/\$3.ccls.) or ("716"/\$3.ccls.))	US-PGPUB; USPAT
3	S185 not S182	US-PGPUB; USPAT
19	S187 not (S170 or S167 or S164 or S153 or S162 or S155)	US-PGPUB; USPAT
20	S166 and ("257"/\$3.ccls.) or ("438"/\$3.ccls.) or ("716"/\$3.ccls.))	US-PGPUB; USPAT
2	S189 not (S167 or S164 or S153 or S162 or S155)	US-PGPUB; USPAT
26	S163 and ("257"/\$3.ccls.) or ("438"/\$3.ccls.) or ("716"/\$3.ccls.))	US-PGPUB; USPAT
0	S191 not (S164 or S153 or S162 or S155)	US-PGPUB; USPAT
10	S154 and ("257"/\$3.ccls.) or ("438"/\$3.ccls.) or ("716"/\$3.ccls.))	US-PGPUB; USPAT
0	S193 not S155	US-PGPUB; USPAT
7	S152 and ("257"/\$3.ccls.) or ("438"/\$3.ccls.) or ("716"/\$3.ccls.))	US-PGPUB; USPAT
1	S195 not S153	US-PGPUB; USPAT
10	S161 and ("257"/\$3.ccls.) or ("438"/\$3.ccls.) or ("716"/\$3.ccls.))	US-PGPUB; USPAT
0	S197 not S162	US-PGPUB; USPAT
0	S199 and (pad near (wider or widened or widening or widen))	US-PGPUB; USPAT
1	S199 and (pad near2 (wider or widened or widening or widen))	US-PGPUB; USPAT
1	S199 and (contact near2 (wider or widened or widening or widen))	US-PGPUB; USPAT
0	S199 and (plan with (wider or widened or widening or widen))	US-PGPUB; USPAT
1	S199 and (view with (wider or widened or widening or widen))	US-PGPUB; USPAT
0	S199 and (intersection with (wider or widened or widening or widen))	US-PGPUB; USPAT
0	S199 and (cross\$1 over with (wider or widened or widening or widen))	US-PGPUB; USPAT

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|----|---|-----------------|---------|
| 2 | S199 and (via near (wider or widened or widening or widen)) | US-PGPUB; USPAT | 5/9/05 |
| 3 | ((contact adj (area or region)) with (wider or wide or widened or widen or widening) with ((US-PGPUB; USPAT | | 5/9/05 |
| 34 | S211 and (@py="2004") | US-PGPUB; USPAT | 5/10/05 |